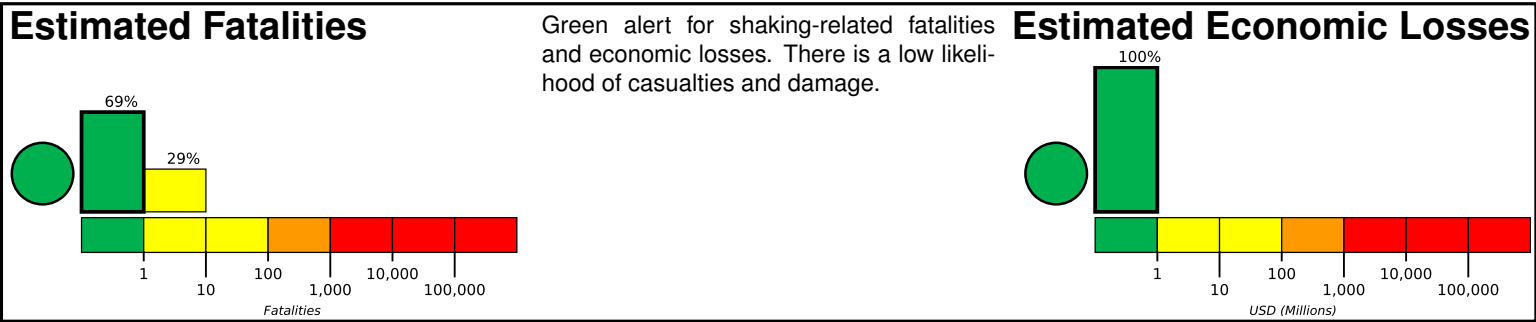


M 5.1, 26 km ESE of Dannevirke, New Zealand

Origin Time: 2024-01-24 14:18:37 UTC (Thu 03:18:37 local)
Location: 40.2633° S 176.4015° E Depth: 10.0 km

PAGER Version 9

Created: 2 days, 3 hours after earthquake

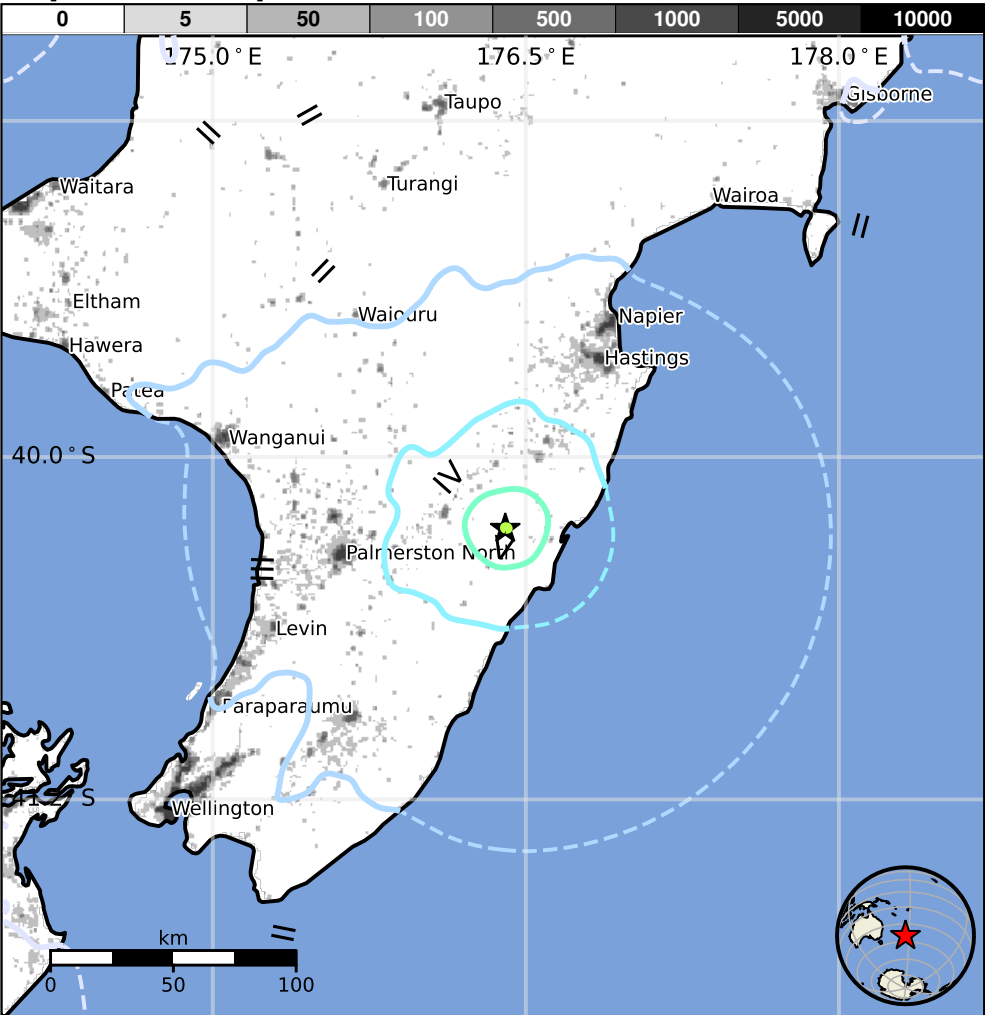


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		18k*	1,060k	26k	1k	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are highly resistant to earthquake shaking, though some vulnerable structures exist. The predominant vulnerable building types are reinforced masonry and unreinforced brick with timber floor construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
2004-07-18	250	5.4	V(1k)	1
1987-03-02	249	6.5	VIII(16k)	0
1968-05-23	394	7.2	IX(1k)	3

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI	City	Population
III	Hastings	62k
III	Bulls	2k
III	Taradale	17k
III	Foxton	5k
III	Palmerston North	76k
III	Castlepoint	2k
III	Napier	57k
II	New Plymouth	49k
II	Lower Hutt	101k
II	Wellington	382k
II	Gisborne	34k

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.
<https://earthquake.usgs.gov/earthquakes/eventpage/us7000ltgv#pager>

bold cities appear on map.

(k = x1000)

Event ID: us7000ltgv